[54] DISPLAYING MAGNETIC PANEL AND ITS DISPLAY DEVICE		
[75]	Inventors:	Yasuzo Murata, Ninomiya; Takeo Yokoyama, Yokohama; Hiroshi Murata, Kamakura, all of Japan
[73]	Assignee:	Pilot Man-Nen Hitsu Kabushiki Kaisha, Tokyo, Japan
[21]	Appl. No.:	865,550
[22]	Filed:	Dec. 29, 1977
[30]	Foreig	n Application Priority Data
Apr. 11, 1977 [JP] Japan 52-41164		
[52]	U.S. Cl	
[56]		References Cited
U.S. PATENT DOCUMENTS		
3,0	25,822 7/19 11,854 12/19 22,482 5/19	61 Allen 346/21

3,982,334 9/1976 Tate 35/66

Primary Examiner—Harland S. Skogquist Attorney, Agent, or Firm—Sughrue, Rothwell, Mion, Zinn and Macpeak

[57] ABSTRACT

A display device is disclosed which employs a magnetic panel. The magnetic panel is formed by two oppositely arranged substrates at least one of which is transparent or semi-transparent. The space between the two substrates is filled with a dispersing liquid having a yielding value higher than 5 dyne/cm². The dispersing liquid is prepared with fine magnetic grains, a coloring agent, a dispersing medium, and a fine grain thickener. Preferably, a multi-cell structure is provided in the space between the two substrates and the substrates are sealed to the multi-cell structure to form a plurality of independent display cells. A displaying magnet in the form of a pen is used to form a display by causing the fine magnetic grains to migrate to the front of the magnetic panel. An erasing magnet is slidably disposed at the rear of the magnetic panel.

13 Claims, 15 Drawing Figures

